

OIPF

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/849,526A

DATE: 11/16/2001

TIME: 11:21:10

Input Set : D:\PA_00348.txt

Output Set: N:\CRF3\11162001\I849526A.raw

ENTERED

1 <110> APPLICANT: Ruff, Thomas G.
 2 Shukla, Hridayabhiranjan
 4 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
 5 Plants
 7 <130> FILE REFERENCE: 16517 250[38-21(51930)B]
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/849,526A
 10 <141> CURRENT FILING DATE: 2001-05-07
 12 <150> PRIOR APPLICATION NUMBER: US 60,202,214
 13 <151> PRIOR FILING DATE: 2000-05-08
 15 <150> PRIOR APPLICATION NUMBER: US 09,654,617
 16 <151> PRIOR FILING DATE: 2000-09-05
 18 <150> PRIOR APPLICATION NUMBER: US 09,684,016
 19 <151> PRIOR FILING DATE: 2000-10-10
 21 <150> PRIOR APPLICATION NUMBER: US 09,816,660
 22 <151> PRIOR FILING DATE: 2001-03-26
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 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 454
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Zea mays subsp. mexicana
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Clone ID: uC-zmroteosinte002d05b1
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 38 cgggttcgtg ggtgaagcga tcgaatggc ggggttcggat gttgaatacc gctgcttcgt 120
 40 cggcgccttc gctgggcca cggacgacca ctccctccac aacgccttca gacactaagg 180
 42 cgaatctctc caatccaga tctctctcga tcggagacg cagapctac gctcttctg 240
 44 ctctctcacc ttctccacga aggagggcat gcggaacgca atcgaaggca tgaacgacaa 300
 46 agagcttgac ggcgcgacca tcaccatcaa cgaagcccaa tccgcggggc ggcgtgagg 360
 48 cggcgggggc ggttacggtg atgcccatac aagcgacgac taaggcgatg gcggggggcg 420
 50 tgatggcgac ggcggctacg gcggtggcag caggc 454
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 54 <211> LENGTH: 456
 55 <212> TYPE: DNA
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 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Clone ID: uC-zmroteosinte002d12b1
 61 <400> SEQUENCE: 2
 63 tgaacgcatg ggcggacacg tggcgggacg cttggggcgg cacagcaaaq acattgttg 60
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 67 ttcaaaagta tattggtgag ggtcccgaa tgggttaqqa actctttggt atgcccaggg 180
 69 aacatgcacc atccattata ttatggaatg aaattgactc tatcggaatc actagaattg 240
 71 agctcgaaac tggcaacggt qacagtgaag ttcaagctac tatgcttgaa cttctaaac 300
 73 agctcgatag ttgtgaagca tcaaacaaaa ttaaggtttt gatggcaacg aacagaatag 360
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 77 atcctaacga ggattcaagt ttgatatat tgaaga 456
 80 <210> SEQ ID NO: 3

RAW SEQUENCE LISTING

DATE: 11/16/2001

PATENT APPLICATION: US/09/849,526A

TIME: 11:21:19

Input Set : D:\PA_00348.txt

Output Set: N:\CRF3\11162001\I849526A.raw

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86 <223> OTHER INFORMATION: Clone ID: uC-zmroteosinte002e07b1
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94 qagactgca ctaagcaatt ccaagagaaq qacacagaaq qacttcaaca acaccaaaqg    180
96 ccqatgagc agcatcgca acctgaagag caaaagtctc agcaggaaatg catgagaaq    240
98 gcacggagc aattccaaac ctgaagaaq ctaggcgcgc caccacgtct tctgacaaac    300
100 gtgcgccgt tctcccttca ggagcttata caccagaaag agcttccgac cggcagagcg    360
102 atgactgca gaaagcaagc cagccgtgga gagaagtgtc tcctgataca caatgtttca    420
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112 <220> FEATURE:
113 <223> OTHER INFORMATION: Clone ID: uC-zmroteosinte002h03a1
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119 tcatctcga gajattgcaa ccagccaacc aaggggaaca gaatcggagc tacaagaccg    120
121 gtcatttggc gctaaatca tacaataaaa aactaaaaaa cctgtttctt attttctac    180
123 tacatccagt ccgtacgca aaaaactccc atcaaacctc ttattaaaca atttcacaca    240
125 caatltggcg acctgcagcg tctccagtg gccagctctc actcccaaaa actgtaaqaa    300
127 caaatataag gacgcatctc tatagcgcag caccgaattc cagcatcaaa gtatggttgc    360
129 agtcattact tccagggcca ctgaactgga tggggccagg cctgatgtat ctgttttga    420
131 ggcgcactc atcagcctc gatgcattt ttttgaagc tgcagcaatc agttcga    477
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148 ataaqcttga gtaaggaaca tgaatttct ctatttgata ggaagacaaa acatgaqaga    180
150 ataatggaag aggtatgtac aattacttca tttctctat tacaagatgg tgatttctt    240
152 ctgtataaat ttgtatgtg aaaaattcat ttgtgggaca taagaaatga tctgttctg    300
154 g                                301
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158 <211> LENGTH: 400
159 <212> TYPE: DNA
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162 <220> FEATURE:
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RAW SEQUENCE LISTING

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TIME: 11:21:16

Input Set : D:\PA_00348.txt

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167 ttcttgcgcc gccgtgcgcg cggccgaactt cgcgcgcaac tgggtctact gggtcgcgc 60
169 gctcctcggt gggggcttcg ctggctctct ctacgcgcac gtcttcctcg ggggtccta 120
171 ccagcaggtc gcccagcagg actacgccta agtaqtcttc cgttcgtctg gattgaactc 180
173 atccaaagca gcccgcggtt tccatcgccg tcttcatttg ctttctcttt ctttctctca 240
175 cgttatgtaa cgtgcgaatg atgtgtgttc tcttggtctg ttcggctgtc cttgtattca 300
177 tttctctctt ttttctcggt taaaatcgat gtaaaatctt cctccgctct ggccttttcg 360
179 atcgcttctg agtggaaaaa aaaaacaggtg attttctttt 400
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183 <211> LENGTH: 421
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185 <213> ORGANISM: Zea mays subsp. mexicana
187 <220> FEATURE
188 <223> OTHER INFORMATION: Clone ID: uC-zmroteosinte003g10b1
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194 acaagaaacg cgcgcgcgcg ttctcccgga agctcaccac ccagcaggtc aaqgattctc 120
196 aggaacaaac aggtgttctc caggttgttc cgcgcgcgac ttaccagcta catgttcttg 180
198 ggtctggcac taccagcgc agcacacaca ccttgagctt tatgtgaagg cgtatgaqaa 240
200 caaa-aagat tgggtttagt aggtctgtat ggcacaggtc tgcgcaatgt gtataqtaca 300
202 gtactatgta aqaataagg agtatctctc tatatactgc ttgcgcctg ttcagccctg 360
204 ttctaaagct tgaattcac caatgcgtat tgtttcaata caatgacaaq tatgctatct 420
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210 <211> LENGTH: 533
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212 <213> ORGANISM: Zea mays subsp. mexicana
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215 <223> OTHER INFORMATION: Clone ID: uC-zmroteosinte004h11b1
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223 ggcacatca cccgcgcctt tctctcaat ctttattgat atattgact ccttcggt 180
225 tggctgtact ttttttagg g'gaagacaa gaagtgcacc acaatttcc attttcttgc 240
227 tcaagatgac aatggccaca tcaattatctt acctccacc acctcccttt taccgactgt 300
229 acaaaatatt tgaagcaaat ccttctatct gcacagaaac ctccaccacc aattgatgga 360
231 ccattcaaaq ctttgcctgc tgaattacaca ggaatggttg tgaattcaaa cttggagagc 420
233 ataatgttcg tcaagcttat ccaaaaggcc ccaatattga cttcaaaaaa gacctaattg 480
235 cctcaaacag aqaagcttaa atgcataatt tgaagctggc gattatttag ttg 533
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241 <213> ORGANISM: Zea mays subsp. mexicana
243 <220> FEATURE
244 <223> OTHER INFORMATION: Clone ID: uC-zmroteosinte005a06b1
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250 tcatgggaat atatatctca tactggaata ttctcgaggt ggtgacttac atgcataact 120
252 tcaagctcat aaaaagagtt ctgaaaaagt tgcataagac ttcctccctc agttaacatc 180
254 tggctgaaa atgcttcgcg ataatacgt ggttcaccga gacctaaac ctcaagaacat 240

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RAW SEQUENCE LISTING

DATE: 11/16/2011

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Input Set : D:\PA_00348.txt

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261 <210> SEQ ID NO: 10
262 <211> LENGTH: 523
263 <212> TYPE: DNA
264 <213> ORGANISM: Zea mays subsp. mexicana
266 <220> FEATURE
267 <223> OTHER INFORMATION: Clone ID: uc-zmroteosinte005b01b1
269 <400> SEQUENCE: 10
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273 acctgccgtt cccgcatccg gcgatgatgg tcccacagaa ggcgcgggtg gacgacggcg 120
275 gcagcgccag gacagcgac ctgttcgggg atctcagcta cgcgcacatc caaggcatgt 180
277 acagcgccct cgcctcctg ccgcgcggcg gcgaggaact gtactcctcg ctcttcggct 240
279 cgcgcaggtt caggggaaac cagcccaccc ggcgcgcggg gttgggcccc ttctgagtga 300
281 gctcaggcga ggttggaggc atggagatca ggcagagaaq cgcgcgcgtt tcccactct 360
283 taaataacag cataggacga ggcgtcgaa cctgactgaa ctggtcgggg ttacaaatcg 420
285 agtgcgtcgg tgtttctgac atgggaaacc gcccttacct ggcgcgcggc ccggtcttgg 480
287 ttggcgctg gctcattctt tagtttact tctgcgcag acg 523
290 <210> SEQ ID NO: 11
291 <211> LENGTH: 544
292 <212> TYPE: DNA
293 <213> ORGANISM: Zea mays subsp. mexicana
295 <220> FEATURE
296 <223> OTHER INFORMATION: Clone ID: uc-zmroteosinte006c10b1
298 <400> SEQUENCE: 11
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304 ccttctcagg ccttccatcg gtccttccgc ggcgcacatc accgacaaqg atggaaagaa 180
306 caattaatte ctgcatgac aaagcatata ttccatgatc caattaatca tcaagaaagg 240
308 acaacaaact ctcttatgta tacatatcag gtaagatga gcttccagt agtttggaa 300
310 agtcacact gattgatgaa aacgtggttg aagtgategg tagatgttc atcttatg 360
312 atctcaaga ggcgaatgtt atgctctc attttggg tatctatc cagaaatcg 420
314 taccagttat atcagttatt ggaactgaat ggaattctgt gtggaatcat gatgatat 480
316 ataatcttg caatctgaaa gaaagcattg aaaaagcgtg gactgctctt atctacag 540
318 taca 544
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322 <211> LENGTH: 545
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326 <220> FEATURE
327 <223> OTHER INFORMATION: Clone ID: uc-zmroteosinte006d05b1
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333 gacatctttt aggcctatga aatctaaacg tgaatatctg aggcacagaa ggcctttaa 120
335 ttggtctgac ctctcagcag ttgcagcttt gaaagaaatt ccttttatga agcctttagg 180
337 ggaacatggt ttccctgttc caactcctgt aatttcaat cgcatttgt tgaatcagtc 240
339 atctgtgcaq ggaatctct ttgttcaagt gaaagaaatt caaatccag atgacgttt 300
341 taaacaaatt ctggtcttta ttgttcgttt ggcagagcat ggaatgatac attgtgact 360
343 taatgagttc aatatcatga ttgatgatga tgaaaaaatt acggttattg atttaccaca 420

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/849,526A

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Input Set : D:\PA_00348.txt

Output Set : N:\CRF3\11162001\I849526A.raw

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347 ctacaagttc ttttaacaaa gtttcaatct gacaacagag aaaaatgaag aacaagctgg 540
349 gtctg 545
352 <210> SEQ ID NO: 13
353 <211> LENGTH: 546
354 <212> TYPE: DNA
355 <213> ORGANISM: Zea mays subsp. mexicana
357 <220> FEATURE
358 <223> OTHER INFORMATION: Clone ID: uc-zmroteosinte007e06b1
360 <400> SEQUENCE: 13
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366 aggcaggaaat ctctcaagact tgggaatatt ggtgttatga gagctggaa c tctcatatct 180
368 gaaatttggg aaagtcggaca ggcataaaaa gatcttaatt ctccctgaa atctttactg 240
370 gaaartaagg aagctattga aaqgcctcgt aaatcactta agaaaagaca atctgacaag 300
372 ggtgatgcca gtgacgctga gaactagcatg tccgaggagg acattgtctt acaqqacgaa 360
374 atatgtaaat ctgctctaac caqtatcaaa cgggaggaag aacagtatat gagagagaga 420
376 gatcgtatg agtggaaaaa ggggaggett atacgagaga tgaagcgtct cacagatgaa 480
378 gatgctcac gctttaacaa ctctcaaat tctccaccat gttatgctct gttaaatctt 540
380 ctgga 546
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384 <211> LENGTH: 548
385 <212> TYPE: DNA
386 <213> ORGANISM: Zea mays subsp. mexicana
388 <220> FEATURE
389 <221> NAME/KEY: unsure
390 <222> LOCATION: (1)..(548)
391 <223> OTHER INFORMATION: unsure at all n locations
393 <220> FEATURE
394 <223> OTHER INFORMATION: Clone ID: uc-zmroteosinte007f08b1
396 <400> SEQUENCE: 14
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402 ggcgacaaat acaagcaca acaacctcta cctctctccc gtaaggtca tcaaggttag 180
404 gctcaaccgc ctgcctccc cctcctcgg caacatgctc atggcaccg tcaagaaagg 240
406 taagcccgac ctcaaggaaga aatctatccc cctcctcctc gtcgacaga gcaagctgtg 300
408 gcgcgcgaag gacggaactc acatctactt cgaagataat gctggaatca ttgtaaccc 360
410 caagggcgag atgaaaggat ctctctcac tggacctatt ggcgaaggat ggcctaacct 420
W--> 412 ttggcctang attgctagtg cagcaaatgc tattgtctga taccaccggt tgggaggctt 480
414 ttggaagatg atttcttctg atccatttta accttttctg tacttaaca tctgaggaga 540
416 attacttg 548
419 <210> SEQ ID NO: 15
420 <211> LENGTH: 507
421 <212> TYPE: DNA
422 <213> ORGANISM: Zea mays subsp. mexicana
424 <220> FEATURE
425 <223> OTHER INFORMATION: Clone ID: uc-zmroteosinte008q09b1
427 <400> SEQUENCE: 15
429 cctctctcca tctccctgct cctccgcctc cttcttgatc caqccaagcc agggatcgcc 60

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa

VERIFICATION SUMMARY

DATE: 11/16/2006

PATENT APPLICATION: US/09/849,526A

TIME: 11:21:11

Input Set : D:\PA_00348.txt

Output Set : N:\CRF3\11162001\I849526A.raw

L:9 M:270 C: Current Application Number differs. Replaced Current Application Number

L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16

L:1044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38

L:1225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44

L:1407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51

L:1409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51

L:1411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51

L:1558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57

L:1600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58

L:2164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81

L:2246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84

L:2328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87

L:2358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88

L:2390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89

L:2455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91

L:2645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98

L:3098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116

L:3203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120

L:3205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120

L:3437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129

L:3563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134

L:3703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139

L:3845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144

L:3996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150

L:4305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162

L:4391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165

L:4594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173

L:4604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173

L:4855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183

L:5194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197

L:5228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199

L:5335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202

L:5396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204

L:5339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220

L:5341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220

L:56208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:236

L:6403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:244

L:6790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260

L:6792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260

L:6901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:264

L:7172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:276

L:7588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:291

L:7668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294

L:7717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:296

L:7749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:297

L:7763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:297

L:7781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298

VERIFICATION SUMMARY

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Input Set : D:\PA_00348.txt

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L:7795 M:341 W: (46) "n" or "Xaa" used. for SEQ ID#:298

L:7896 M:341 W: (46) "n" or "Xaa" used. for SEQ ID#:302

L:7968 M:341 W: (46) "n" or "Xaa" used. for SEQ ID#:305